

A new notch for lung stem cells.

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Public Summary:

Homeostasis and repair of different lung compartments require the selective activation of specific progenitor/stem cells and their regulated differentiation to yield cell types that fulfill specialized regional functions. We discuss recent literature that sheds light on pathways that pre-determine the fate of lung epithelial progenitor cells.

Scientific Abstract:

Homeostasis and repair of different lung compartments require the selective activation of specific progenitor/stem cells and their regulated differentiation to yield cell types that fulfill specialized regional functions. In this issue of Cell Stem Cell, Pardo-Saganta et al. (2015) identify Notch signaling as a determinant of basal cell heterogeneity and fate decisions in pseudostratified airways.

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